# BUILDING & SAFETY

#### **CITY OF LAS VEGAS**

# DEPARTMENT OF BUILDING & SAFETY

#### **GENERAL INFORMATION REGARDING SIGNS**

## Signs, General

**Listing:** Electric signs and outline lighting, fixed, mobile, or portable shall be listed and installed in conformance with that listing, unless otherwise approved by special permission.

**Unlisted signs** must be inspected in the sign shop during fabrication.

Large signs are often transported in several parts from the factory to the location where they are assembled. At this time an inspection authority should be present to ensure that the components are assembled in conformity with their listing.

Signs and Outline Lighting Systems shall be marked with the manufacturer's name, trademark, or other means of identification; and,

- (1) For incandescent lamp-illuminated equipment and systems, with the number of lampholders and maximum wattage per lamp and,
- (2) For electric-discharge illuminated equipment and systems, with input voltage, and current rating.

Marking shall be visible after installation.

Signs for commercial or industrial occupancies are normally in use for three hours or longer and are therefore considered continuous loads, which are not permitted to exceed 80 percent of the rating of the branch circuit (16 amperes for a 20 ampere branch circuit).

**Disconnects.** Each sign and outline lighting system shall be controlled by an externally operable switch or circuit breaker that will open all ungrounded conductors. **The disconnecting means** shall be <u>within sight</u> of the sign or outline lighting system that it controls.

# FAILURE TO OBTAIN PERMITS, OR TO CALL FOR INSPECTIONS, MAY RESULT IN CITATIONS BEING ISSUED, AND NOTIFICATION GIVEN TO THE STATE CONTRACTORS BOARD!

### Requirements for electrical sign plan submittals:

A.	Single line diagram.
B.	Service and load calculations, to include all short circuit and fault current calculations.
C.	Panel schedules and descriptions of circuits with connected loads, panel ratings, and feeder size.
D.	All outlets, equipment and feeders shown on plan with appropriate panel and circuit numbers at devices.
E.	Show voltage-drop calculations for all feeders to sub-panels, panels, area lighting, and free standing signs.
F.	Two copies of plans and specifications showing method of construction and attachment to building, lot structure, or premises.
G.	Copy of stress sheets and calculations showing the structure is designed for dead load and wind pressure in any direction as required by the IBC 2003, or as requested by the Building Official.
H.	Soils report if required by the Building Official.
I.	Such other information as the Building Official shall require showing full compliance with this and all other laws and ordinances of the City.
J.	All plans are required to be signed and sealed per NRS.

If only ONE additional 20 amp circuit OR if the sign is connected to an existing circuit with no additional load added, it will be exempt from the above requirements (A-E only).

Revised 08/06 cp: Sign Information